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(11) Publication number:

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**PATENT ABSTRACTS OF JAPAN**(21) Application number: **56024095**(51) Intl. Cl.: **H01M 2/08**(22) Application date: **19.02.81**

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(43) Date of application  
publication: **27.08.82**(84) Designated contracting  
states:(71) Applicant: **MATSUSHITA ELECTRIC IND CO  
LTD**(72) Inventor: **EDA NOBUO  
TOYOGUCHI YOSHINORI  
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MORITA TERUYOSHI**

(74) Representative:

**(54) BATTERY**

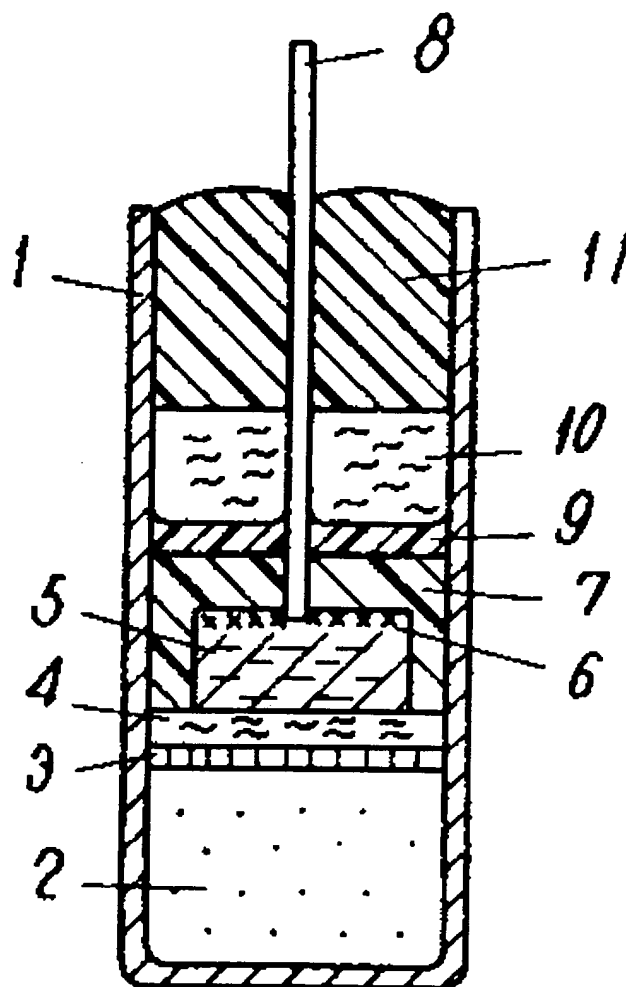
(57) Abstract:

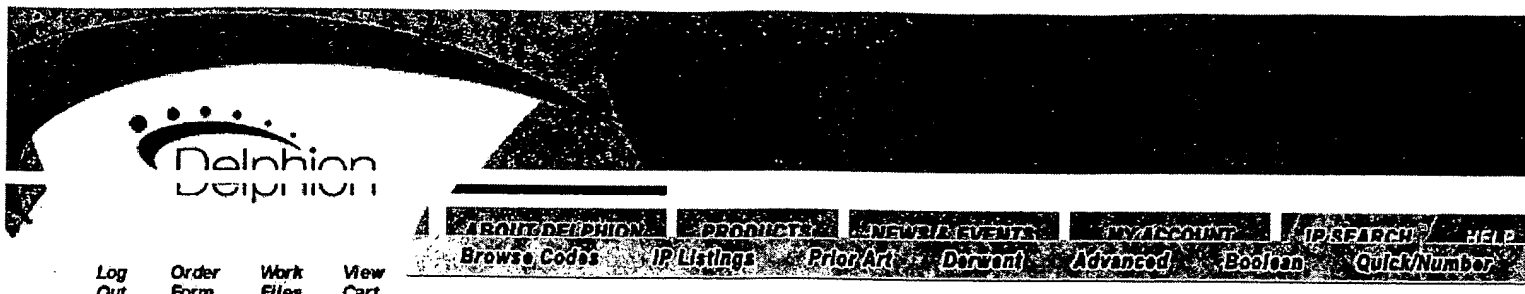
**PURPOSE:** To improve the preserving property of a battery, by forming a sealing layer with a solid paraffin layer and a photosetting resin layer provided outside, in a battery where a resin-sealing layer is used to hermetically seal a negative electrode made of light metal.

**CONSTITUTION:** In a battery case 1, there are a positive electrode 2 made of graphite fluoride etc, a separator 3 and a liquid-holding material 4 mainly impregnated with an organic electrolytic solution. In the same battery case 1, there is an insulated cylinder 7 which contains a lithium negative electrode 5 and a collector 6 thereof. The battery case 1 is hermetically sealed with an epoxide resin layer 11 to form an organic electrolyte battery. In this case, a sealing layer is composed of a solid paraffin layer 9 inside, further a photosetting resin layer 10 outside, and said epoxide resin layer 11. The photosetting resin layer 10 made of

denatured acrylate resin is poured onto the paraffin layer 9, and then forced to set by irradiation of ultraviolet-rays.

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Title: **JP57138774A2: BATTERY**

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Country: **JP Japan**

Kind: **A**

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Applicant/Assignee: **MATSUSHITA ELECTRIC IND CO LTD**



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Issued/Filed Dates: **Aug. 27, 1982 / Feb. 19, 1981**

Application Number: **JP1981000024095**

IPC Class: **H01M 2/08; H01M 6/16;**

Priority Number(s): **Feb. 19, 1981 JP1981000024095**

Abstract:



**Purpose:** To improve the preserving property of a battery, by forming a sealing layer with a solid paraffin layer and a photosetting resin layer provided outside, in a battery where a resin-sealing layer is used to hermetically seal a negative electrode made of light metal.

**Constitution:** In a battery case 1, there are a positive electrode 2 made of graphite fluoride etc, a separator 3 and a liquid-holding material 4 mainly impregnated with an organic electrolytic solution. In the same battery case 1, there is an insulated cylinder 7 which contains a lithium negative electrode 5 and a collector 6 thereof. The battery case 1 is hermetically sealed with an epoxide resin layer 11 to form an organic electrolyte battery. In this case, a sealing layer is composed of a solid paraffin layer 9 inside, further a photosetting resin layer 10 outside, and said epoxide resin layer 11. The photosetting resin layer 10 made of denatured acrylate resin is poured onto the paraffin layer 9, and then forced to set by irradiation of ultraviolet-rays.

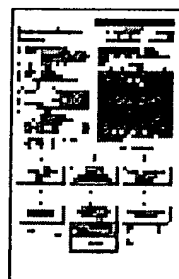
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Other Abstract Info: **CHEMABS 097(26)225613E**

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